## SEQUENCE LISTING

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<110> JORGE H. CAPDEVILA, MICHAEL WATERMAN, AND VIJAKUMAR HOLLA
<120> COMPOSITIONS AND METHODS RELATING TO
 HYPERTENSION
<130> 22000.0110U2
<150> 60/228,947
<151> 2000-08-29
<160> 9
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ggtgaggctg attgagtctt gagccacctg aatgcaactg cactgttcca cctgctggca
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                                                                       1140
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ccagaaacta ctaaccatgg gtttttttt atttagccct acaaggtact tggatggtat
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                                                                      3060
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                                    90
Tyr Asp Pro Asp Tyr Val Lys Val Val Leu Gly Arg Ser Asp Pro Lys
                                105
            100
Ala Ser Gly Ile Tyr Gln Phe Phe Ala Pro Trp Ile Gly Tyr Gly Leu
                                                125
                            120
Leu Leu Leu Asn Gly Lys Lys Trp Phe Gln His Arg Arg Met Leu Thr
                        135
                                            140
Pro Ala Phe His Tyr Asp Ile Leu Lys Pro Tyr Val Lys Ile Met Ala
                                        155
                    150
Asp Ser Val Asn Ile Met Leu Asp Lys Trp Glu Lys Leu Asp Gly Gln
                                    170
                                                         175
                1.65
Asp His Pro Leu Glu Ile Phe His Cys Val Ser Leu Met Thr Leu Asp
                                                     190
                                185
Thr Val Met Lys Cys Ala Phe Ser Tyr Gln Gly Ser Val Gln Leu Asp
                            200
Glu Asn Ser Lys Leu Tyr Thr Lys Ala Val Glu Asp Leu Asn Asn Leu
                        215
                                            220
Thr Phe Phe Arg Leu Arg Asn Ala Phe Tyr Lys Tyr Asn Ile Ile Tyr
                    230
                                        235
Asn Met Ser Ser Asp Gly Arg Leu Ser His His Ala Cys Gln Ile Ala
                                    250
                245
His Glu His Thr Asp Gly Val Ile Lys Met Arg Lys Ser Gln Leu Gln
                                265
Asn Glu Glu Glu Leu Gln Lys Ala Arg Lys Lys Arg His Leu Asp Phe
                            280
Leu Asp Ile Leu Leu Phe Ala Arg Met Glu Asp Arg Asn Ser Leu Ser
                        295
Asp Glu Asp Leu Arg Ala Glu Val Asp Thr Phe Met Phe Glu Gly His
                    310
                                        315
Asp Thr Thr Ala Ser Gly Ile Ser Trp Ile Phe Tyr Ala Leu Ala Thr
                                    330
                325
His Pro Glu His Gln Gln Arg Cys Arg Glu Glu Val Gln Ser Ile Leu
                                345
Gly Asp Gly Thr Ser Val Thr Trp Asp His Leu Gly Gln Met Pro Tyr
                            360
Thr Thr Met Cys Ile Lys Glu Ala Leu Arg Leu Tyr Pro Pro Val Ile
                        375
Ser Val Ser Arg Glu Leu Ser Ser Pro Val Thr Phe Pro Asp Gly Arg
                    390
                                        395
Ser Ile Pro Lys Gly Ile Thr Ala Thr Ile Ser Ile Tyr Gly Leu His
                                    410
                405
His Asn Pro Arg Phe Trp Pro Asn Pro Lys Val Phe Asp Pro Ser Arg
                                425
            420
Phe Ala Pro Asp Ser Ser His His Ser His Ala Tyr Leu Pro Phe Ser
                                                445
                            440
Gly Gly Ser Arg Asn Cys Ile Gly Lys Gln Phe Ala Met Asn Glu Leu
                        455
Lys Val Ala Val Ala Leu Thr Leu Leu Arg Phe Glu Leu Leu Pro Asp
                                        475
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Pro Thr Arg Ile Pro Val Pro Ile Ala Arg Leu Val Leu Lys Ser Lys
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Asn Gly Ile His Leu Cys Leu Lys Lys Leu Arg
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<212> PRT
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Lys Thr Ala Gln Leu Tyr Leu His Arg Gln Trp Leu Leu Ser Ser Thr
Gln Gln Phe Pro Ser Pro Pro Ser His Trp Leu Phe Gly His Lys Ile
                        55
Leu Lys Asp Gln Asp Leu Gln Asp Ile Leu Thr Arg Ile Lys Asn Phe
                    70
Pro Ser Ala Cys Pro Gln Trp Leu Trp Gly Ser Lys Val Arg Ile Gln
                                    90
Val Tyr Asp Pro Asp Tyr Met Lys Leu Ile Leu Gly Arg Ser Asp Pro
                                105
           100
Lys Ala Asn Gly Ser Tyr Arg Phe Leu Ala Pro Trp Ile Gly Arg Gly
                                                125
Leu Leu Met Leu Asp Gly Gln Thr Trp Phe Gln His Arg Arg Met Leu
                        135
Thr Pro Ala Phe His Tyr Asp Ile Leu Lys Pro Tyr Thr Glu Ile Met
                                        155
                    150
Ala Asp Ser Val Arg Val Met Leu Asp Lys Trp Glu Gln Ile Val Gly
                                    170
                165
Gln Asp Ser Thr Leu Glu Ile Phe Arg His Ile Thr Leu Met Thr Leu
                                185
            180
Asp Thr Ile Met Lys Cys Ala Phe Ser His Glu Gly Ser Val Gln Leu
                                                205
                            200
Asp Arg Lys Tyr Lys Ser Tyr Ile Gln Ala Val Glu Asp Leu Asn Asp
                                            220
                        215
Leu Val Phe Ser Arg Val Arg Asn Ile Phe His Leu Asn Asp Ile Ile
                                        235
                    230
Tyr Arg Val Ser Ser Asn Gly Cys Lys Ala Asn Ser Ala Cys Gln Leu
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Ala His Asp His Thr Asp Gln Val Ile Lys Ser Arg Arg Ile Gln Leu
            260
                                265
Gln Asp Glu Glu Glu Leu Glu Lys Leu Lys Lys Lys Arg Arg Leu Asp
                                                285
                            280
Phe Leu Asp Ile Leu Leu Phe Ala Arg Met Glu Asn Gly Lys Ser Leu
                        295
                                            300
Ser Asp Lys Asp Leu Arg Ala Glu Val Asp Thr Phe Met Phe Glu Gly
                    310
                                        315
His Asp Thr Thr Ala Ser Gly Ile Ser Trp Ile Phe Tyr Ala Leu Ala
                                    330
Thr Asn Pro Glu His Gln Gln Arg Cys Arg Lys Glu Ile Gln Ser Leu
                                345
            340
Leu Gly Asp Gly Thr Ser Ile Thr Trp Asn Asp Leu Asp Lys Met Pro
                            360
                                                365
Tyr Thr Thr Met Cys Ile Lys Glu Ala Leu Arg Ile Tyr Pro Pro Val
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5
Pro Ser Val Ser Arg Glu Leu Ser Ser Pro Val Thr Phe Pro Asp Gly
                                         395
Arg Ser Leu Pro Lys Gly Ile His Val Met Leu Ser Phe Tyr Gly Leu
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                                     410
His His Asn Pro Thr Val Trp Pro Asn Pro Glu Val Phe Asp Pro Ser
                                                     430
                                425
            420
Arg Phe Ala Pro Gly Ser Ser Arg His Ser His Ser Phe Leu Pro Phe
Ser Gly Gly Ala Arg Asn Cys Ile Gly Lys Gln Phe Ala Met Asn Glu
                        455
Leu Lys Val Ala Val Ala Leu Thr Leu Leu Arg Phe Glu Leu Leu Pro
                                         475
                    470
Asp Pro Thr Arg Val Pro Ile Pro Ile Pro Arg Ile Val Leu Lys Ser
                485
                                    490
Lys Asn Gly Ile His Leu His Leu Lys Glu Leu Gln
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<212> DNA
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                                                                       180
caaagaggct gttcaggtcc atcaaccctg gtcttgaaat caagctctgc tcacacccct
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tgctcctgct gctcttcaag acagcccagc tctacctgca caggcaatgg ctactcagca
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60

1620

1680

1740

1800

1920

2040

2100 2116

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tettetgaga tecetaettg ettttetete taeetgteee taaceagaet geatgtttga
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<212> PRT
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                                25
            20
Lys Ala Val Gln Leu Tyr Leu His Arg Gln Trp Leu Leu Lys Ala Leu
Gln Gln Phe Pro Cys Pro Pro Ser His Trp Leu Phe Gly His Ile Gln
                        55
Glu Leu Gln Gln Asp Gln Glu Leu Gln Arg Ile Gln Lys Trp Val Glu
Thr Phe Pro Ser Ala Cys Pro His Trp Leu Trp Gly Gly Lys Val Arg
Val Gln Leu Tyr Asp Pro Asp Tyr Met Lys Val Ile Leu Gly Arg Ser
                                105
            100
Asp Pro Lys Ser His Gly Ser Tyr Arg Phe Leu Ala Pro Trp Ile Gly
                            120
Tyr Gly Leu Leu Leu Asn Gly Gln Thr Trp Phe Gln His Arg Arg
                        135
                                            140
Met Leu Thr Pro Ala Phe His Tyr Asp Ile Leu Lys Pro Tyr Val Gly
                    150
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Leu Met Ala Asp Ser Val Arg Val Met Leu Asp Lys Trp Glu Glu Leu
                165
                                    170
Leu Gly Gln Asp Ser Pro Leu Glu Val Phe Gln His Val Ser Leu Met
            180
                                185
                                                    190
Thr Leu Asp Thr Ile Met Lys Cys Ala Phe Ser His Gln Gly Ser Ile
        195
                            200
Gln Val Asp Arg Asn Ser Gln Ser Tyr Ile Gln Ala Ile Ser Asp Leu
                        215
                                            220
Asn Asn Leu Val Phe Ser Arg Val Arg Asn Ala Phe His Gln Asn Asp
                                        235
                    230
Thr Ile Tyr Ser Leu Thr Ser Ala Gly Arg Trp Thr His Arg Ala Cys
                245
                                    250
Gln Leu Ala His Gln His Thr Asp Gln Val Ile Gln Leu Arg Lys Ala
            260
                                265
Gln Leu Gln Lys Glu Gly Glu Leu Glu Lys Ile Lys Arg Lys Arg His
                            280
Leu Asp Phe Leu Asp Ile Leu Leu Leu Ala Lys Met Glu Asn Gly Ser
                        295
Ile Leu Ser Asp Lys Asp Leu Arg Ala Glu Val Asp Thr Phe Met Phe
                    310
                                        315
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Glu Gly His Asp Thr Thr Ala Ser Gly Ile Ser Trp Ile Leu Tyr Ala

330

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                                 345
Ser Leu Leu Gly Asp Gly Ala Ser Ile Thr Trp Asn His Leu Asp Gln
                             360
Met Pro Tyr Thr Thr Met Cys Ile Lys Glu Ala Leu Arg Leu Tyr Pro
                         375
                                             380
Pro Val Pro Gly Ile Gly Arg Glu Leu Ser Thr Pro Val Thr Phe Pro
                    390
                                         395
Asp Gly Arg Ser Leu Pro Lys Gly Ile Met Val Leu Leu Ser Ile Tyr
                405
Gly Leu His His Asn Pro Lys Val Trp Pro Asn Pro Glu Val Phe Asp
            420
                                 425
Pro Phe Arq Phe Ala Pro Gly Ser Ala Gln His Ser His Ala Phe Leu
                             440
Pro Phe Ser Gly Gly Ser Arg Asn Cys Ile Gly Lys Gln Phe Ala Met
                         455
Asn Glu Leu Lys Val Ala Thr Ala Leu Thr Leu Leu Arg Phe Glu Leu
                    470
                                         475
Leu Pro Asp Pro Thr Arg Ile Pro Ile Pro Ile Ala Arg Leu Val Leu
                485
                                     490
Lys Ser Lys Asn Gly Ile His Leu Arg Leu Arg Leu Pro Asn Pro
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                                                                       240
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ccttgatgac cctggacacc atcatgaagt gtgccttcag ccatcagggc agcatccagg
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SECTION CONTROL PROGRAMMENT IN A MARKET IN THE CONTROL OF MARKET PROGRAMMENT OF THE PROGRAMMENT OF THE CONTROL OF THE CONTROL

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Glu Phe Gln His Asp Gln Glu Leu Gln Arg Ile Gln Glu Arg Val Lys
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                                       75
Thr Phe Pro Ser Ala Cys Pro Tyr Trp Ile Trp Gly Gly Lys Val Arg
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Val Gln Leu Tyr Asp Pro Asp Tyr Met Lys Val Ile Leu Gly Arg Ser
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Tyr Gly Leu Leu Leu Asn Gly Gln Thr Trp Phe Gln His Arg Arg
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170

190

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                                                 285
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                                             300
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                                 345
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**器多數制** 

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tccaactgag	gacggtctca	ctacacaacc	aggaggagg	agagagata	gaccaagtga	9480
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ccacacaccc	gggccatgac	gagagataga	graggarere	ctggateete	tatgetetgg	9780
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tggagacttt	actecatata (	cttcttcaaa	taaaayyaay	gryycarica caattooote	yaycacccca taaataaata	11520
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	-				aggaatagta	11700
					ccctatttaa	11760
_	tgtcgtagag	_		_	_	11820
	tcctaccttt					11880
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nnnnnnnnn						18480
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nnnnnnnnn nnr	nnnnnnn r	ממתתתתתתו	nnnnnnn	nnnnnnnnn	nnnnnnnn	20760
nnnnnnnnn nnr	innannan r	מממממממממ	mmmmmmm	nnnnnnnn	nnnnnnnnn	20820
nnnnnnnnn nnr	innnnnnn r	חחחחחחחחחחחח	mmmmmnnn	nnnnnnnn	nnnnnnnn	20880
nnnnnnnnn nnr	nnnnnn r	חוווווווווווווווווווווווווווווווווווווו	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	20940
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